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THE UNDERSIGNED HEREBY RESPECTFULLY REQUESTS ACCESS TO THE FILE HISTORY OF THE FOLLOWING ABANDONED APPLICATION WHICH WAS REFERRED TO IN U.S. PATENT NUMBER 5217861 OR PRINTED APPLICATION \_\_\_\_\_.

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## United States Patent [19]

Montagnier et al.

[11] Patent Number: 5,217,861

[45] Date of Patent: Jun. 8, 1993

[54] ANTIGEN OF A HUMAN RETROVIRUS, NAMELY P18 PROTEIN OF HUMAN IMMUNODEFICIENCY VIRUS (HIV), COMPOSITIONS CONTAINING THE ANTIGEN, A DIAGNOSTIC METHOD FOR DETECTING ACQUIRED IMMUNE DEFICIENCY SYNDROME (AIDS) AND PRE-AIDS AND A KIT THEREFOR

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[73] Assignee: Institut Pasteur, France

[21] Appl. No.: 158,073

[22] Filed: Feb. 12, 1988

## Related U.S. Application Data

[63] Continuation of Ser. No. 914,156, Oct. 1, 1986, abandoned, which is a continuation of Ser. No. 706,562, Feb. 22, 1985, abandoned, which is a continuation-in-part of Ser. No. 558,109, Dec. 5, 1983, abandoned.

## Foreign Application Priority Data

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[51] Int. Cl.<sup>3</sup> ..... G01N 33/569

[52] U.S. Cl. .... 435/5; 435/7.1;  
435/7.92; 435/7.93; 435/7.94; 435/7.95;  
435/974; 530/350; 930/221

[58] Field of Search ..... 435/517, 29, 259, 800,  
435/235-239, 183, 7.1, 7.92-7.95, 974; 530/350;  
930/221

## [56] References Cited

## U.S. PATENT DOCUMENTS

4,520,113 5/1985 Gallo ..... 436/504  
4,629,783 12/1986 Cosand ..... 530/324  
4,751,180 6/1988 Cousens et al. .... 435/68  
4,784,941 11/1988 Watanabe et al. .... 435/5  
4,843,011 6/1989 Samragdharan et al. .... 435/240.27

## FOREIGN PATENT DOCUMENTS

138667 4/1985 European Pat. Off. .... 435/5  
3636540 10/1986 Fed. Rep. of Germany .... 435/5  
WO86/04336 7/1986 World Int. Prop. O. .... 435/5

## OTHER PUBLICATIONS

Barre-Sinoussi et al., "Analysis and Immunological Properties of Lymphadenopathy Associated Virus (LAV) Structural Proteins", *Retroviruses Hum. Pathol. Int. Symp. Meeting Date 1984*, 343-51.

Ferns et al., "Characterization of Monoclonal Antibodies Against the Human Immunodeficiency Virus (HIV) gag Products and Their Use in Monitoring HIV Isolate Variation", *9 Gen. Virol.*, 68 (1987) 1543-51.

Krause et al., "Isolation of human immunodeficiency virus-related simian immunodeficiency viruses from African green monkeys", *Proc. Natl. Acad. Sci. USA*, 86 (1989) 2892-6.

Chassagne et al., "A Monoclonal Antibody Against LAV GAG Precursor: Use for Viral Protein Analysis and Analysis and Antigenic Expression in Infected Cells", *J. Immunol.* 136(1986) 1442-5.

(List continued on next page.)

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## [57] ABSTRACT

Protein compositions containing proteins of the lymphadenopathy virus, which compositions are used for diagnosis of antibodies of such protein in biological fluids, especially blood serum, for the detection or absence of infection. Such compositions contain typically the p18, p13 and/or p25 proteins.

11 Claims, 5 Drawing Sheets